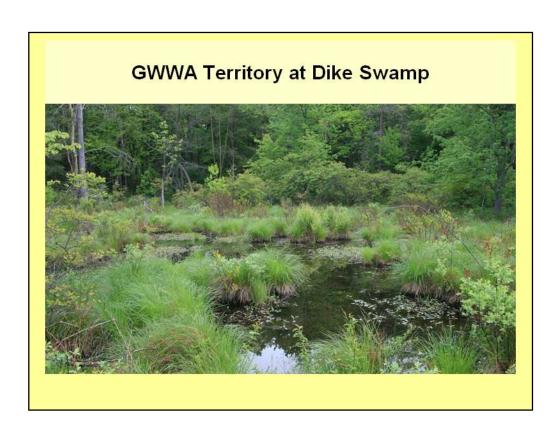
Summer '08 - Vegetation protocol
Collect a minimum set of relevant variables that
Characterize the conditions where gwwa nest,
Applied across the gwwa range.

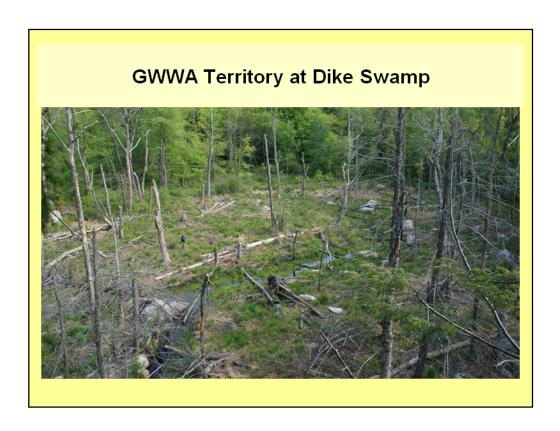
October 1, 2007- August 30, 2008 Scope of Work
Proper management of early successional habitats
within the golden-winged breeding range may be
key to conserving this species.

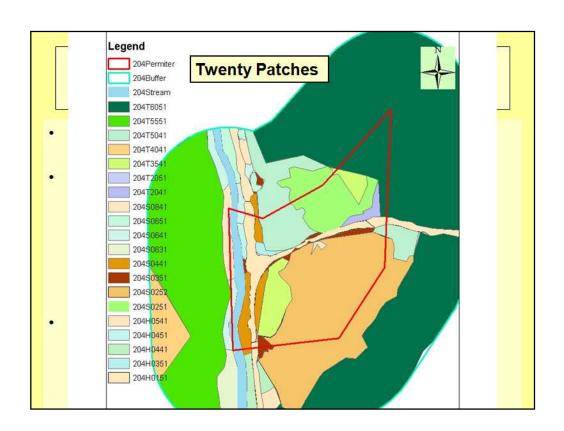
Management prescriptions for this species that mitigate against hybridization with Blue-winged Warblers.

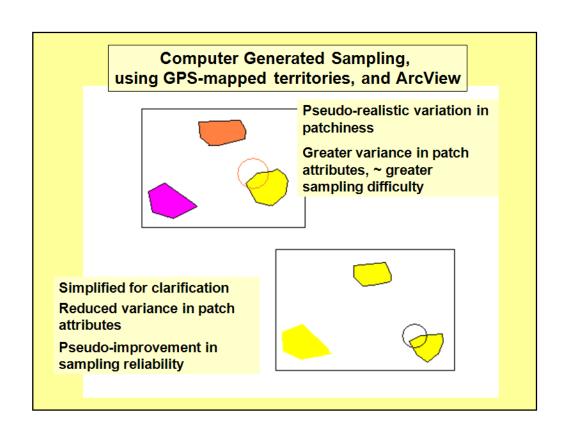
Golden-winged Warbler Conservation Initiative: Preproposal Year 3
•GOAL:

enable state, federal, and private land managers to target habitat prescriptions at specific sites
to maximally benefit GWWA and associated species.

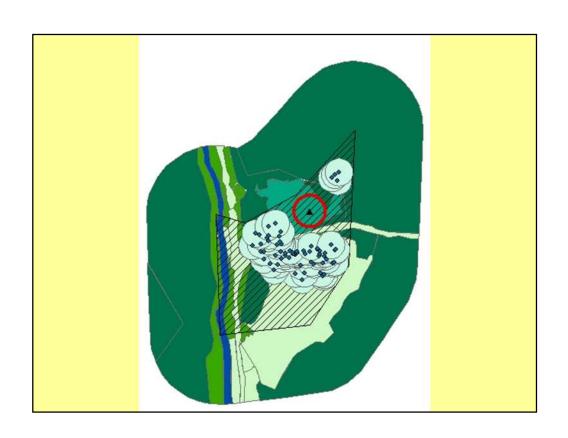


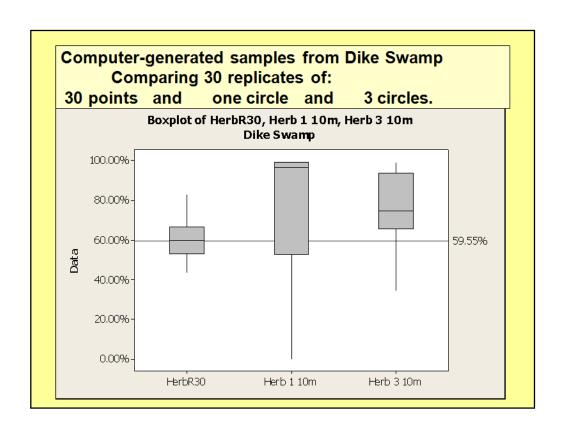


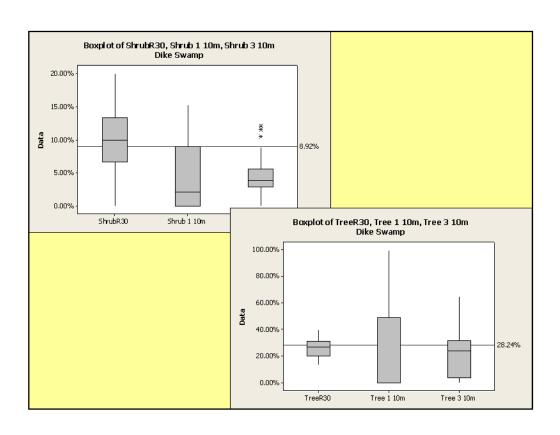


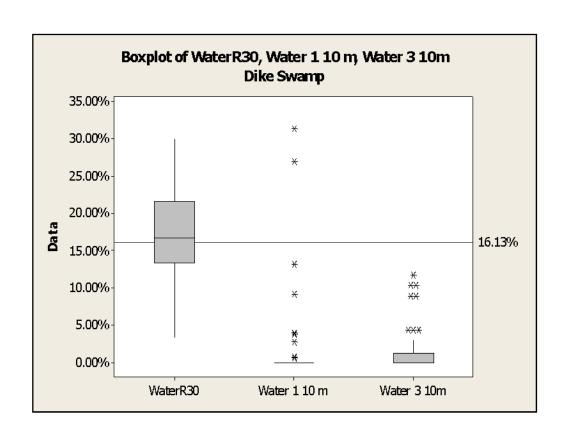


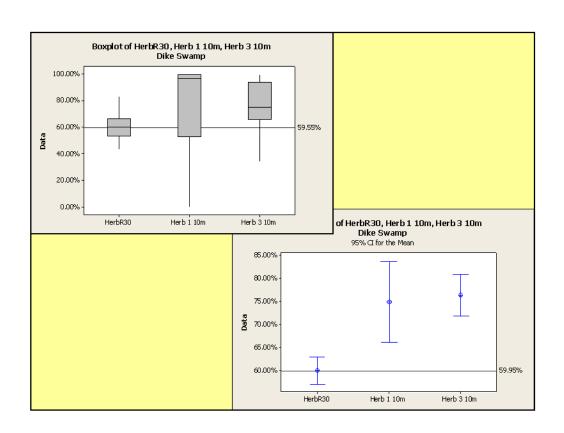


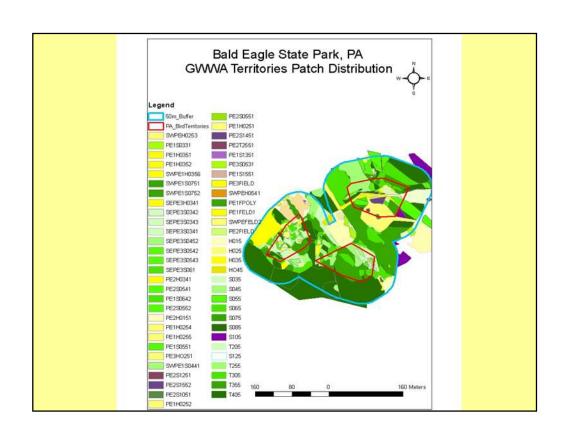




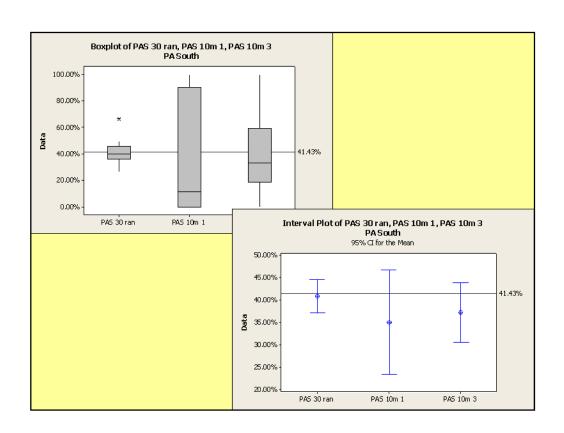












Recommendations

- Protocol of Confer, Larkin and Allen 2003
- Transect lines, record values for herbs, shrubs, trees at 30 points
 - Perpendicular to long axis of territory
 - Constant distance between transect lines
 - Constant distance between points
 - Distance between points wraps around at territorial border (avoids bias against forest edge)
- Five categorical values for cover by herbs, shrubs, trees
 - **1 (0-3%), 2 (4-15%), 3 (16-33%), 4 (34-66%), 5 (67-100%)**
 - Criteria: 100% = as dense as it ever gets
- Record ecotones along transect lines.

Advantages of 30-point protocol

- Sampling correctly measures mean attribute despite gradients and patchiness in territory
- Large sample size reduces standard deviation and increases statistical power
- Proven success in relating vegetation to bird species
 - BWWA vs GWWA; stage of succession (twice)
 - Neotropical migrant habitat selection in Jamaica
 - Nesting success of GWWA
- · Applicable to wet and dry habitats
- · Patchiness readily measured along transects
- Requires about 1.5 hours per territory.